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ning of each regular issue of the PCT Gazette.*

(54) Title: GENES OVEREXPRESSED BY OVARIAN CANCER AND THEIR USE IN DEVELOPING NOVEL THERAPEU-
TICS

(57) Abstract: Nucleic acid sequences encoding genes that are overexpressed by human ovarian cancers are provided. These genes and the corresponding antigens are useful diagnostic and therapeutic targets. The invention provides cancer therapies that target these antigens, especially using monoclonal antibodies that target the Anat-2 antigen.



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INTERNATIONAL SEARCH REPORT

International application No.

PCT/US03/18253

A. CLASSIFICATION OF SUBJECT MATTER		
IPC(7) : A01N 61/00, 37/18; A61K 38/28, 38/00 51/00 49/00; C07H 21/02, 21/04; C07K 16/00; G01N 33/567, 33/53 US CL : 536/23.1, 23.5; 514/1, 2, 4, 44; 530/324, 325, 387.7, 388.1, 388.8; 424/1.49, 9.2; 436/503, 548 According to International Patent Classification (IPC) or to both national classification and IPC		
B. FIELDS SEARCHED		
Minimum documentation searched (classification system followed by classification symbols) U.S. : 536/23.1, 23.5; 514/1, 2, 4; 530/324, 325, 387.7, 388.1, 388.8; 424/1.49, 9.2; 436/503, 548		
Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched		
Electronic data base consulted during the international search (name of data base and, where practicable, search terms used) WEST, DIALOG		
C. DOCUMENTS CONSIDERED TO BE RELEVANT		
Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	G. Scheffer et al. Increased expression of beta 2-microglobulin in multidrug-resistant tumour cells, Brit. J. Cancer, Vol. 86, pages 1943-1950 (2002), abstract on p. 1943, Table 1 on p. 1945; Table 2 on p. 1946.	1-16, 21-25, 33-35, 42-44, 48
A	E. Barnea et al. Analysis of endogenous peptides bound by soluble MGC class I molecules: a novel approach for identifying tumor-specific antigens, Eur. J. Immunol., Vol. 32, pages 213-222 (2002), abstract and introductory text on p. 213-top of p. 214; figure 1 on p. 214; Table 1 on p. 216; figure 5 on p. 217.	1-16, 21-32, 35-41, 44-45, 49-52
<input type="checkbox"/> Further documents are listed in the continuation of Box C. <input type="checkbox"/> See patent family annex.		
* Special categories of cited documents:		
"A" document defining the general state of the art which is not considered to be of particular relevance	"T" later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention	
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"O" document referring to an oral disclosure, use, exhibition or other means	"Z" document member of the same patent family	
"P" document published prior to the international filing date but later than the priority date claimed		
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INTERNATIONAL SEARCH REPORT

International application No.

PCT/US03/18253

Box I Observations where certain claims were found unsearchable (Continuation of Item 1 of first sheet)

This international report has not been established in respect of certain claims under Article 17(2)(a) for the following reasons:

1. ☐ Claim Nos.:
because they relate to subject matter not required to be searched by this Authority, namely:
2. ☐ Claim Nos.:
because they relate to parts of the international application that do not comply with the prescribed requirements to such an extent that no meaningful international search can be carried out, specifically:
3. ☐ Claim Nos.:
because they are dependent claims and are not drafted in accordance with the second and third sentences of Rule 6.4(a).

Box II Observations where unity of invention is lacking (Continuation of Item 2 of first sheet)

This International Searching Authority found multiple inventions in this international application, as follows:

1. ☐ As all required additional search fees were timely paid by the applicant, this international search report covers all searchable claims.
2. ☐ As all searchable claims could be searched without effort justifying an additional fee, this Authority did not invite payment of any additional fee.
3. ☐ As only some of the required additional search fees were timely paid by the applicant, this international search report covers only those claims for which fees were paid, specifically claims Nos.:
4. ☒ No required additional search fees were timely paid by the applicant. Consequently, this international search report is restricted to the invention first mentioned in the claims; it is covered by claims Nos.: 1-14 and 17-20

Remark on Protest

☐
☐

The additional search fees were accompanied by the applicant's protest.

No protest accompanied the payment of additional search fees.